

Nº 46644

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

FEB 16 1983

Date of filing in State Engineer's Office.....

FEB 28 1983

Returned to applicant for correction.....

Corrected application filed.....

MAR 8 1983

Map filed.....

The applicant Trans-Pacific Geothermal, Inc. and Monterey Energy Company1419 Broadway

Street and No. or P.O. Box No.

of Oakland

City or Town

California 94612

State and Zip Code No.

, hereby make application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)

TGS Associates is a partnership comprised of Trans-Pacific Geothermal, Inc., incorporated in Nevada 11/16/81, and SR Geothermal, Inc., incorporated in Delaware 9/23/81. Monterey Energy Company is a partnership incorporated in Texas 3/1/82. Members: Jerry Kramer, Jack Preston, Art Preston

1. The source of the proposed appropriation is deep geothermal reservoir - 100,000 ft

Name of stream, lake, spring, underground or other source

2. The amount of water applied for is five (5) second-feet

One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet.....

3. The water to be used for industrial purposes

Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated:.....

(b) Stockwater, state number and kinds of animals to be watered:.....

(c) Other use (describe fully under "No. 12. Remarks") industrial

(d) Power:

(1) Horsepower developed no external pumps will be used(2) Point of return of water to stream reinjection or surface disposal; will depend on water quality

5. The water is to be diverted from its source at the following point: Located in the NW¼ of NW¼

Describe as being within a 40-acre subdivision of public

Sec. 33, T25N, R37E, MDB&M, from whence the SE corner of Sec. 33 bears S 47°

survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

06' 28" E, a distance of 6562.85 feet.

6. Place of use NW¼ of NW¼, Sec 33, T25N, R37E, MDB&M.

Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about January 1 and end about December 31, of each year.

Month and Day

Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and

specifications of your diversion or storage works.) The proposed works would be the completed geothermal well. Water would be diverted from the geothermal reservoir, through the cased wellbore to the wellhead for the initial beneficial use which is well flow testing to evaluate the reservoir. The flumes, drilled well with pump and motor, etc. wellbore will be cased to an estimated depth of 6300 feet.

9. Estimated cost of works \$1,500,000.

10. Estimated time required to construct works. 60-90 days
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use. 3 years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The industrial use of appropriated water, consequent to this application, would be the production of water or geothermal effluent from wellhead, then through surface pipeline, to electrical generating plant. Additional economic utilization of the geothermal energy may be effected subsequent to or separate from electrical generation. Estimated consumption: 500,000 lbs/hr/well, 24 hrs/day, 365 da/yr.

By s/Walter Turnbull
Walter Turnbull, Secretary-Treasurer
Trans-Pacific Geothermal, Inc.
1419 Broadway
Oakland, CA 94612

Compared bl/ kc

Protested

OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed cubic feet per second

Work must be prosecuted with reasonable diligence and be completed on or before

Proof of completion of work shall be filed before

Application of water to beneficial use shall be made on or before

Proof of the application of water to beneficial use shall be filed on or before

Map in support of proof of beneficial use shall be filed on or before

Completion of work filed

Proof of beneficial use filed

Cultural map filed

IN TESTIMONY WHEREOF, I, State Engineer of Nevada, have hereunto set my hand and the seal of my office, this day of A.D. 19

Certificate No. Issued

WITH TESTIMONY BY APPLICANT SEP 15 1983
State Engineer